

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Problem Image Mailbox.**

[illegible]

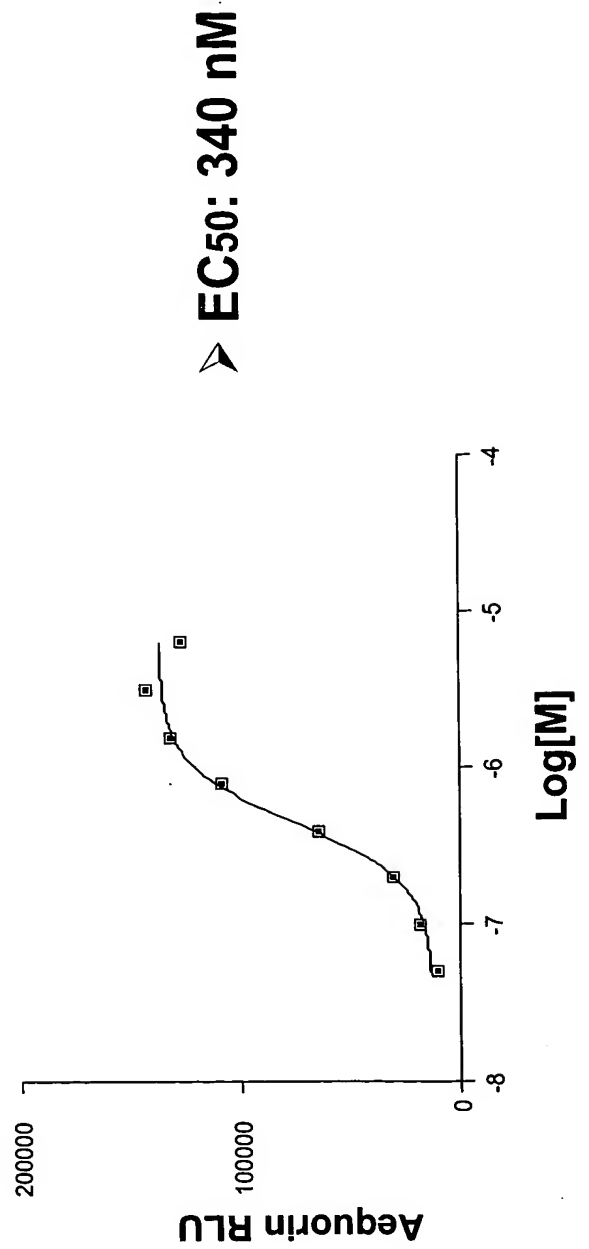
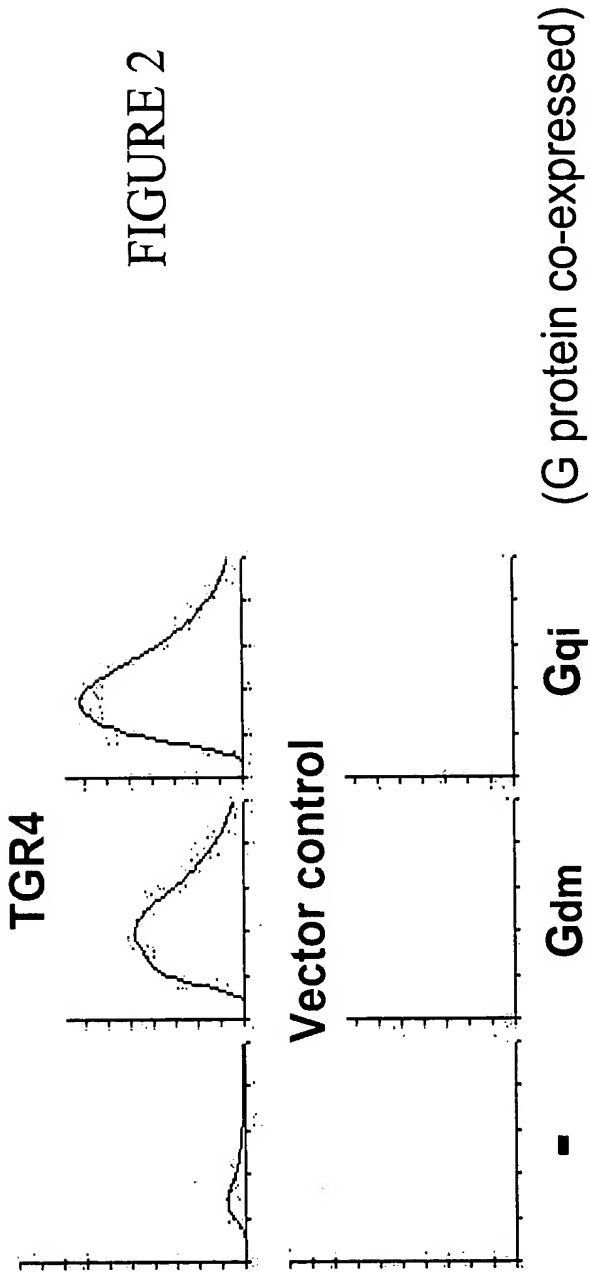
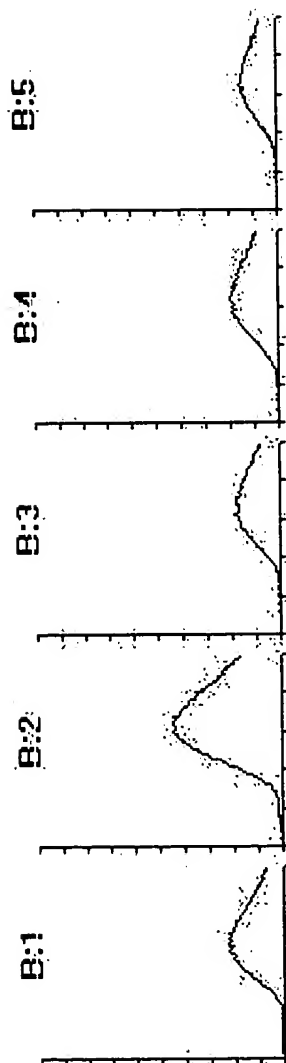


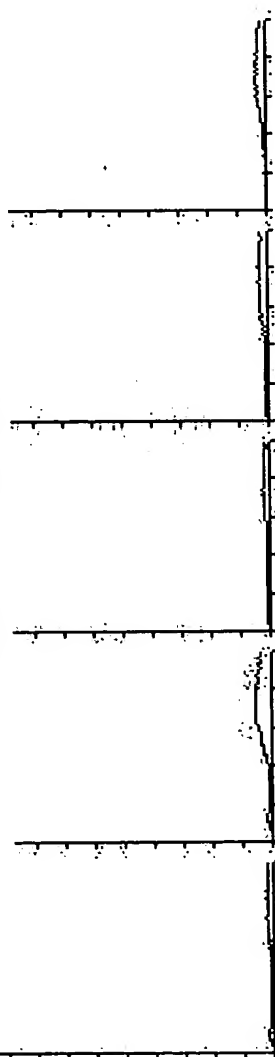
FIGURE 3

TGR183



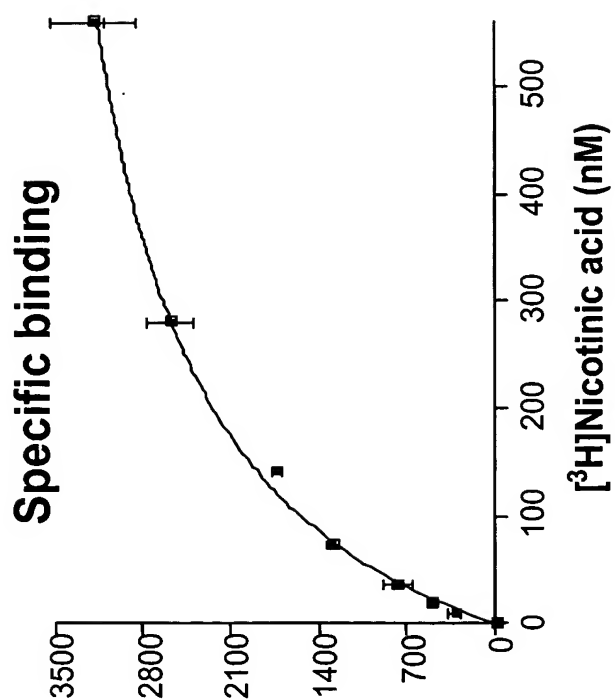
50 uM  
 Nicotinic Acid

Vector control



no Gdm Gqi9 Gqi5 Gqo5 (G protein co-expressed)

FIGURE 4



	IC <sub>50</sub> (uM)
Pyridine 3-COOH (N.A.)	0.25
Pyridine 2-COOH	>100
Pyridine 4-COOH	>100
Nicotinamide	>100
NAAD	~10
NAADP	~10

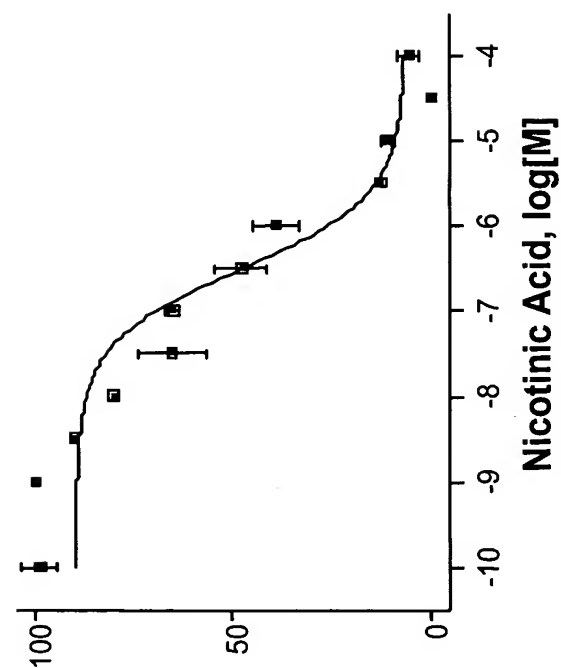
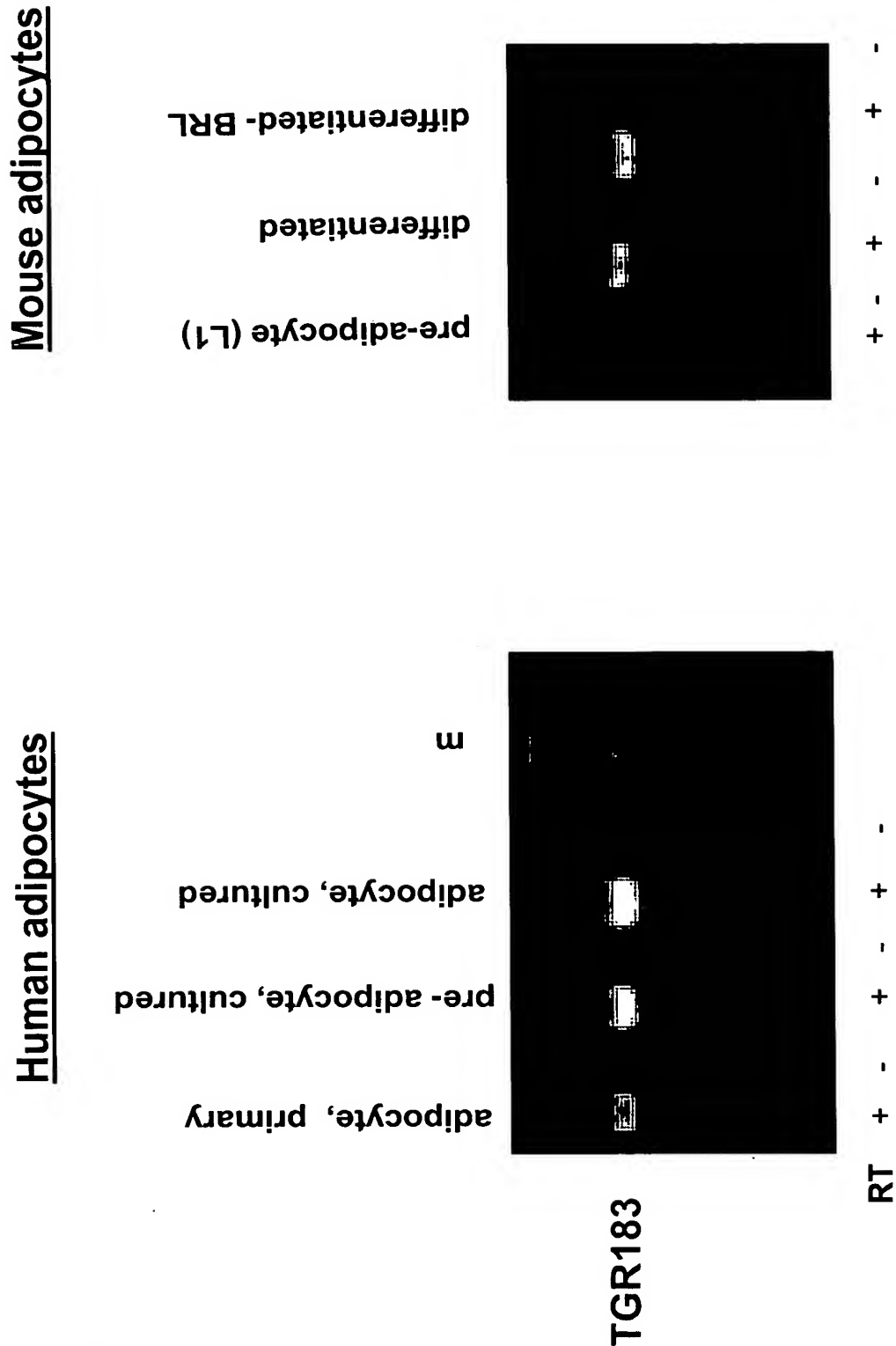
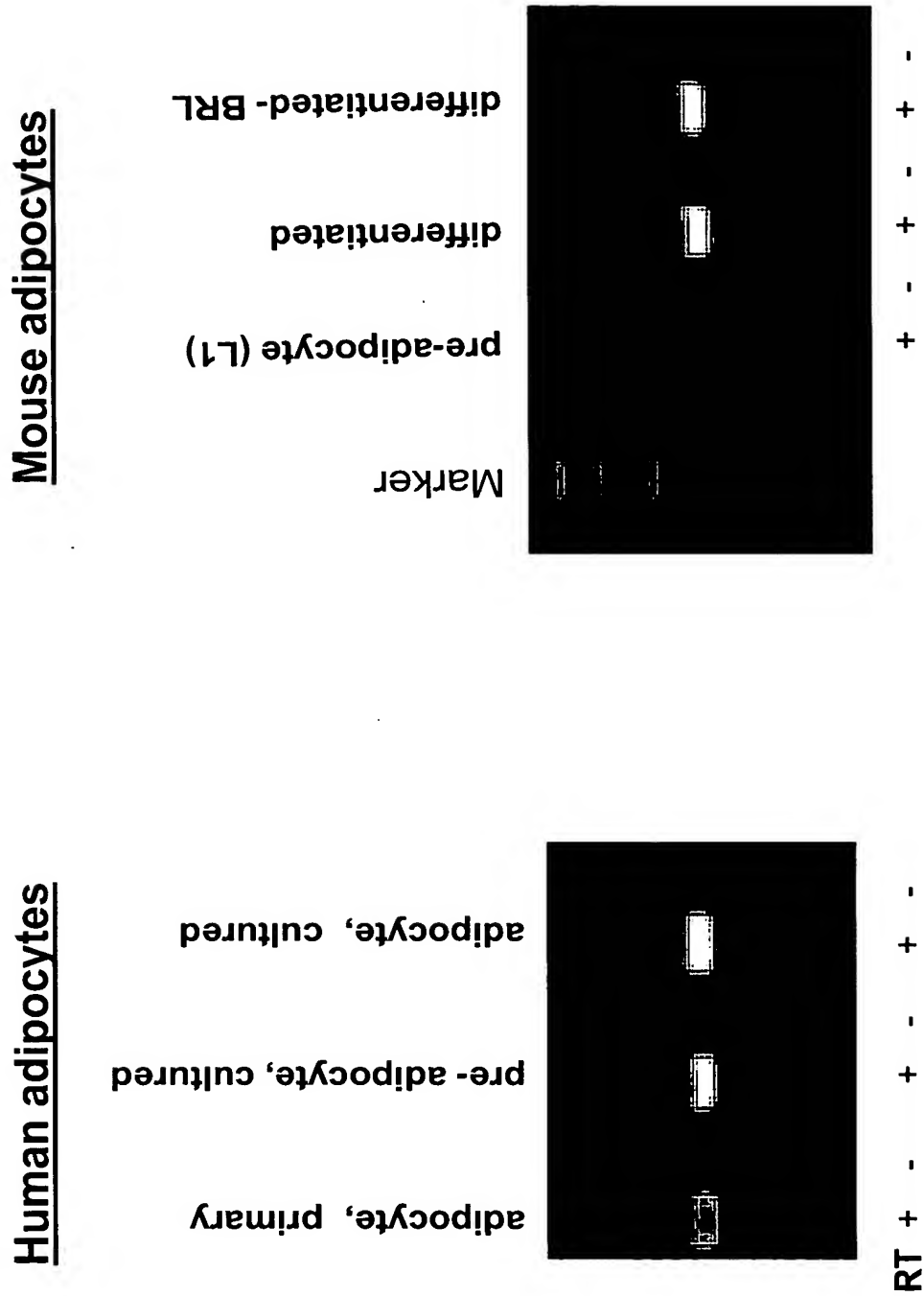


FIGURE 5



BEST AVAILABLE COPY

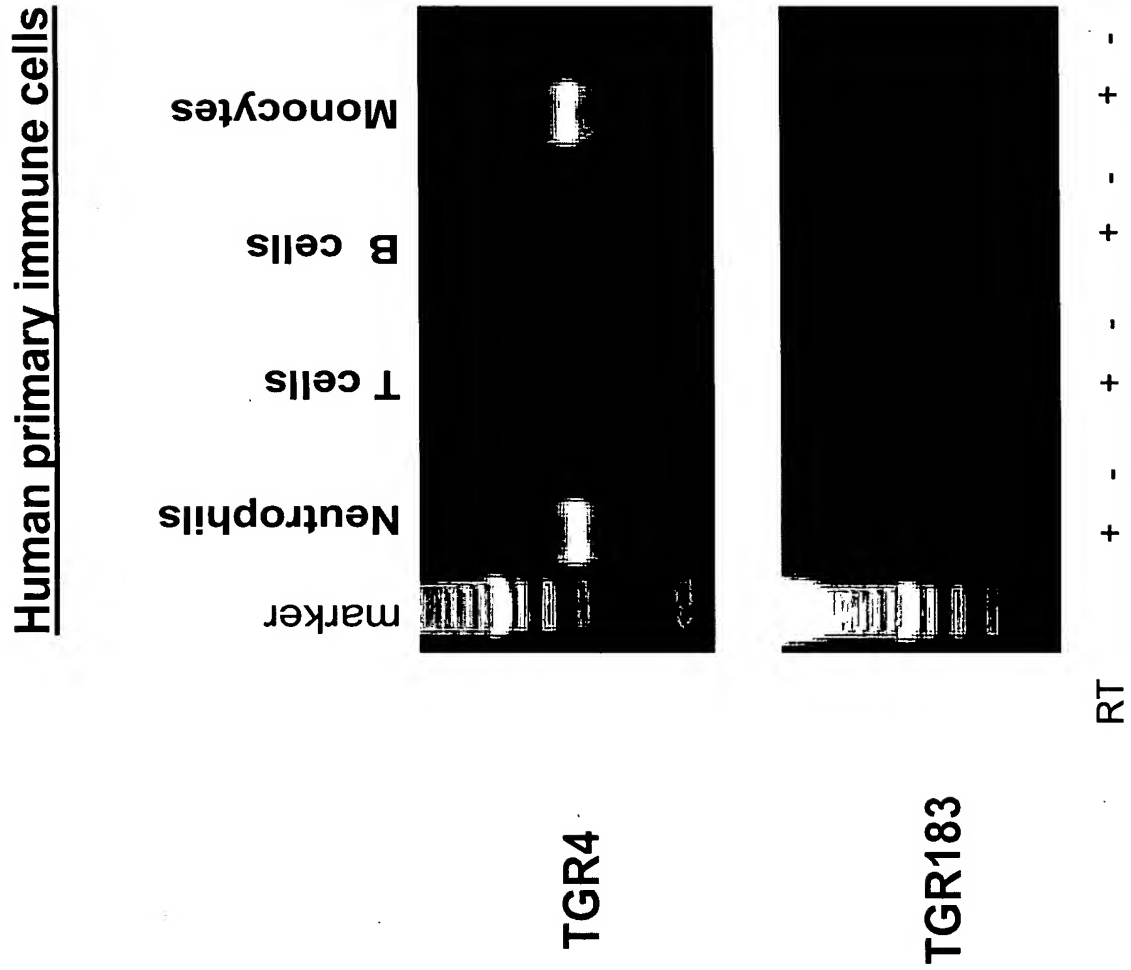
FIGURE 6



BEST AVAILABLE COPY

TGR4

FIGURE 7



BEST AVAILABLE COPY



Fig. 8. Differential Expression between TGR4 and TGR183

